

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.
17601-020001

Application No.
10/004,316

Applicant
Joseph A. Zupanick

Filing Date
October 30, 2001

Group Art Unit
3672

**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
PPS	A1	4,020,901	05/03/1977	Pisio et al.			
	A2	4,182,423	01/08/1980	Ziebarth et al.			
	A3	4,226,475	10/07/1980	Frosch et al.			
	A4	4,422,505	12/27/1983	Collins			
	A5	4,463,988	08/07/1984	Bouck et al.			
	A6	4,603,592	08/05/1986	Siebold et al.			
	A7	4,832,122	05/23/1989	Corey et al.			
	A8	5,127,457	07/07/1992	Stewart et al.			
	A9	5,431,482	07/11/1995	Russo			
	A10	6,019,173	02/01/2000	Saurer et al.			
	A11	6,030,048	02/29/2000	Hsu			
	A12	6,062,306	05/16/2000	Gano et al.			
	A13	6,065,551	05/23/2000	Gourley et al.			
	A14	6,119,776	09/19/2000	Graham et al.			
	A15	6,189,616	02/20/2001	Gano et al.			
	A16	6,244,340	06/12/2001	McGlothen et al.			
	A17	6,279,658	08/28/2001	Donovan et al.			
	A18	2004/0011560 A1	01/22/2004	Rial et al.			

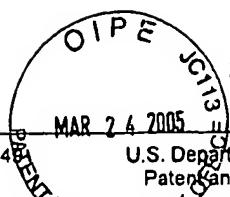
Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	No
	B1							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	C1	

Examiner Signature 	Date Considered 5/13/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Sheet 1 of 2

Substitute Form PTO-1448 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-020001	Application No. 10/004,316
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Joseph A. Zupanick	
		Filing Date October 30, 2001	Group Art Unit 3672

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1						
	A2						
	A3						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes No
DPS	B1	WO 97/21900	06/19/1997	WIPO			N/A
	B2						
	B3						

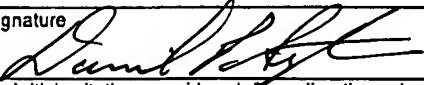
Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
DPS	C1	Dreiling, Tim, McClelland, M.L. and Bilyeu, Brad, "Horizontal & High Angle Air Drilling in the San Juan Basin, New Mexico," Believed to be dated April 1996, pp. 1-11
	C2	Technology Scene Drilling & Intervention Services, "Weatherford Moves Into Advanced Multilateral Well Completion Technology" and "Productivity Gains and Safety Record Speed Acceptance of UBS," <i>Reservoir Mechanics</i> , Weatherford International, Inc., 2000 Annual Report (2 pages)
	C3	"A Different Direction for CBM Wells," <i>W Magazine</i> , 2004 Third Quarter (5 pages)
	C4	Snyder, Robert E., "What's New in Production," <i>WorldOil Magazine</i> , February 2005, [printed from the internet on 3/7/2005], http://www.worldoil.com/magazine/MAGAZINE_DETAIL.asp?ART_ID=2507@MONTH_YEAR (3 pages)
	C5	Nazzal, Greg, "Moving Multilateral Systems to the Next Level, Strategic Acquisition Expands Weatherford's Capabilities," 2000 (2 pages)
	C6	Bahr, Angie, "Methane Draining Technology Boosts Safety and Energy Production," <i>Energy Review</i> , February 4, 2005, Website: www.energyreview.net/storyviewprint.asp , printed February 7, 2005 (2 pages)
	C7	Molvar, Erik M., "Drilling Smarter: Using Directional Drilling to Reduce Oil and Gas Impacts in the Intermountain West," Prepared by Biodiversity Conservation Alliance, Report issued February 18, 2003, 34 pages
	C8	King, Robert F., "Drilling Sideways - A Review of Horizontal Well Technology and Its Domestic Application," DOE/EIA-TR-0565, U.S. Department of Energy, April 1993, 30 pages
	C9	Santos, Helio, SPE, Impact Engineering Solutions and Jesus Olaya, Ecopetrol/ICP, "No-Damage Drilling: How to Achieve this Challenging Goal?," SPE 77189, Copyright 2002, presented at the IADC/SPE Asia Pacific Drilling Technology, Jakarta, Indonesia, 09/09-11/2002, 10 pages

Examiner Signature 	Date Considered 5/13/05
------------------------	----------------------------

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Attorney's Docket No. 17601-020001	Application No. 10/004,316
		Applicant Joseph A. Zupanick	
		Filing Date October 30, 2001	Group Art Unit 3672

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
PPS	C10	Santos, Helio, SPE, Impact Engineering Solutions, "Increasing Leakoff Pressure with New Class of Drilling Fluid," SPE 78243, Copyright 2002, presented at the SPE/ISRM Rock Mechanics Conference in Irving, Texas, 10/20-23/2002, 7 pages
	C11	Franck Labenski, Paul Reid, SPE, and Helio Santos, SPE, Impact Solutions Group, "Drilling Fluids Approaches for Control of Wellbore Instability in Fractured Formations," SPE/IADC 85304, Society of Petroleum Engineers, Copyright 2003, presented at the SPE/IADC Middle East Drilling Technology Conference & Exhibition in Abu Dhabi, UAE, 10/20-22/2003, 8 pages
	C12	P. Reid, SPE, and H. Santos, SPE, Impact Solutions Group, "Novel Drilling, Completion and Workover Fluids for Depleted Zones: Avoiding Losses, Formation Damage and Stuck Pipe," SPE/IADC 85326, Society of Petroleum Engineers, Copyright 2003, presented at the SPE/IADC Middle East Drilling Conference & Exhibition in Abu Dhabi, UAE, 10/20-22/2003, 9 pages
	C13	Craig C. White and Adrian P. Chesters, NAM; Catalin D. Ivan, Sven Maikranz and Rob Nouris, M-I L.L.C., "Aphron-based drilling fluid: Novel technology for drilling depleted formations," WORLD OIL, Drilling Report Special Focus, October 2003, 6 pages
	C14	Robert E. Snyder, "Drilling Advances," WORLD OIL, October 2003, 1 page
	C15	U.S. Environmental Protection Agency, "Directional Drilling Technology," prepared for the EPA by Advanced Resources International under Contract 68-W-00-094, Coalbed Methane Outreach Program (CMOP), Website: http://search.epa.gov/s97is.vts , printed 3/17/2005, 13 pages

Examiner Signature 	Date Considered 5/13/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17601-020001	Application No. 10/004,316
Information Disclosure Statement by Applicant (Use several sheets if necessary) <small>(37 CFR 1.68(b))</small>		Applicant Joseph A. Zupanick			
		Filing Date October 30, 2001		Group Art Unit 3672	

FEB 28 2005

EXAMINER'S OFFICE

TRADEMARK OFFICE

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1						
	A2						
	A3						
	A4						
	A5						

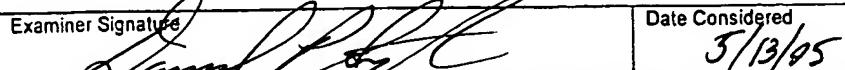
Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	B1						
	B2						
	B3						
	B4						
	B5						

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
DPS	C1	Listing of 174 References received from Third Party on February 16, 2005 (9 pages)
	C2	Gardes Directional Drilling, "Multiple Directional Wells From Single Borehole Developed," Reprinted from July 1989 edition of Offshore, Copyright 1989 by PennWell Publishing Company (4 pages)
	C3	"Economic Justification and Modeling of Multilateral Wells," Economic Analysis, Hart's Petroleum Engineer International, 1997 (4 pages)
	C4	Mike Chambers, "Multi-Lateral Completions at Mobil Past, Present, and Future," presented at the 1998 Summit on E&P Drilling Technologies, Strategic Research Institute, August 18-19, 1998 in San Antonio, Texas (26 pages)
	C5	David C. Oyler and William P. Diamond, "Drilling a Horizontal Coalbed Methane Drainage System From a Directional Surface Borehole," PB82221516, National Technical Information Service, Bureau of Mines, Pittsburgh, PA; Pittsburgh Research Center, April 1982 (56 pages)
	C6	P. Corlay, D. Bossie-Codreanu, J.C. Sabathier and E.R. Delamaide, "Improving Reservoir Management With Complex Well Architectures," Field Production & Reservoir Management, World Oil, January 1997 (5 pages)

Examiner Signature



Date Considered

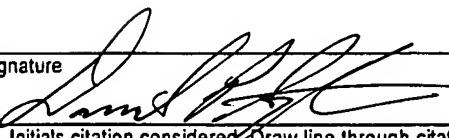
5/13/05

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-020001	Application No. 10/004,316
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 544.3(b))		Applicant Joseph A. Zupanick		
		Filing Date October 30, 2001	Group Art Unit 3672	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
<i>JPS</i>	C7	Eric R. Skonberg and Hugh W. O'Donnell, "Horizontal Drilling for Underground Coal Gasification," presented at the Eighth Underground Coal Conversion Symposium, Keystone, Colorado, August 16, 1982 (8 pages)
	C8	Gamal Ismail, A.S. Fada'q, S. Kikuchi, H. El Khatib, "Ten Years Experience in Horizontal Application & Pushing the Limits of Well Construction Approach in Upper Zakum Field (Offshore Abu Dhabi)," SPE 87284, Society of Petroleum Engineers, October 2000 (17 pages)
	C9	Gamal Ismail, H. El-Khatib - ZADCO, Abu Dhabi, UAE, "Multi-Lateral Horizontal Drilling Problems & Solutions Experienced Offshore Abu Dhabi," SPE 36252, Society of Petroleum Engineers, October 1996 (12 pages)
	C10	C.M. Matthews and L.J. Dunn, "Drilling and Production Practices to Mitigate Sucker Rod/Tubing Wear-Related Failures in Directional Wells," SPE 22852, Society of Petroleum Engineers, October 1991 (12 pages)
	C11	H.H. Fields, Stephen Krickovic, Albert Sainato, and M.G. Zabetakis, "Degasification of Virgin Pittsburgh Coalbed Through a Large Borehole," RI-7800, Bureau of Mines Report of Investigations/1973, United States Department of the Interior, 1973 (31 pages)
	C12	William P. Diamond, "Methane Control for Underground Coal Mines," IC-9395, Bureau of Mines Information Circular, United States Department of the Interior, 1994 (51 pages)

Examiner Signature 	Date Considered 5/13/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-020001	Application No. 10/004,316
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))		Applicant Joseph A. Zupanick		
		Filing Date October 30, 2001	Group Art Unit 3672	

U.S. Patent Documents

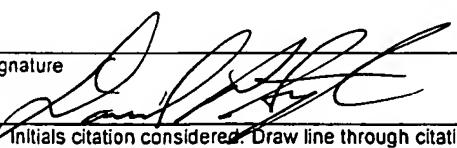
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
DPS	A1	4,417,829	11/29/1983	Berezoutzky			
/	A2	4,889,186	12/26/1989	Hanson et al.			
/	A3	5,676,207	10/14/1997	Simon et al.			
/	A4	6,237,284 B1	05/29/2001	Erickson			
/	A5	2004/0140129 A1	07/22/2004	Gardes			
DPS	A6	2004/0226719 A1	11/18/2004	Morgan et al.			

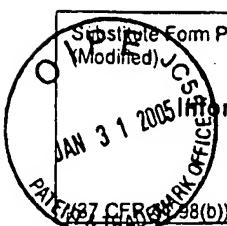
Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
DPS	B1	442,008	01/23/1936	United Kingdom			N/A	
/	B2	444,484	03/17/1936	United Kingdom			N/A	
/	B3	651,468	04/04/1951	United Kingdom			N/A	
/	B4	893,869	04/18/1962	United Kingdom			N/A	
/	B5	SU-876968	10/30/1981	Russia			Y	
DPS	B6	WO-2004/035984 A1	04/29/2004	WIPO			N/A	

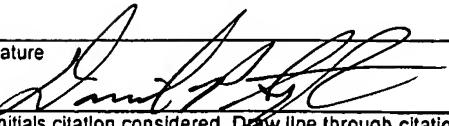
Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
DPS	C1	Langley, Diane, "Potential Impact of Microholes Is Far From Diminutive," JPT Online, http://www.spe.org/spe/jpt/jps , November 2004 (5 pages)
/	C2	Consol Energy Slides, "Generating Solutions, Fueling Change," Presented at Appalachian E&P Forum, Harris Nesbitt Corp., Boston, October 14, 2004 (29 pages)
/	C3	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (3 pages), and Written Opinion of the International Searching Authority (5 pages) re International Application No. PCT/US2004/024518 mailed November 10, 2004
/	C4	Schenk, Christopher J., "Geologic Definition and Resource Assessment of Continuous (Unconventional) Gas Accumulations – the U.S. Experience," Website, http://aapg.confex.com/... , printed November 16, 2004 (1 page)

Examiner Signature 	Date Considered 5/13/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

 Substitution Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-020001	Application No. 10/004,316
Information Disclosure Statement by Applicant <small>(Use several sheets if necessary)</small>		Applicant Joseph A. Zupanick	
		Filing Date October 30, 2001	Group Art Unit 3672

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
DPS	C5	U.S. Department of Interior, U.S. Geological Survey, "Characteristics of Discrete and Basin-Centered Parts of the Lower Silurian Regional Oil and Gas Accumulation, Appalachian Basin: Preliminary Results From a Data Set of 25 oil and Gas Fields," U.S. Geological Survey Open-File Report 98-216, Website, http://pubs.usgs.gov/of/1998/of98-216/introl.htm , printed November 16, 2004 (2 pages)
	C6	Zupanick, J., "Coalbed Methane Extraction," 28 th Mineral Law Conference, Lexington, Kentucky, October 16-17, 2003 (48 pages)
	C7	Zupanick, J., "CDX Gas – Pinnacle Project," Presentation at the 2002 Fall Meeting of North American Coal Bed Methane Forum, Morgantown, West Virginia, October 30, 2002 (23 pages)
	C8	Lukas, Andrew, Lucas Drilling Pty Ltd., "Technical Innovation and Engineering Xstrata – Oaky Creek Coal Pty Limited," Presentation at Coal Seam Gas & Mine Methane Conference in Brisbane, November 22-23, 2004 (51 pages)
	C9	Field, Tony, Mitchell Drilling, "Let's Get Technical – Drilling Breakthroughs in Surface to In-Seam in Australia," Presentation at Coal Seam Gas & Mine Methane Conference in Brisbane, November 22-23, 2004 (20 pages)
	C10	Zupanick, Joseph A, "Coal Mine Methane Drainage Utilizing Multilateral Horizontal Wells," 2005 SME Annual Meeting & Exhibit, February 28 – March 2, 2005, Salt Lake City, Utah (6 pages)
	C11	The Official Newsletter of the Cooperative Research Centre for Mining Technology and Equipment, CMTE News 7, "Tight-Radius Drilling Clinches Award," June 2001, 1 page

Examiner Signature 	Date Considered <i>5/13/05</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified E)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-020001	Application No. 10/004,316
Information Disclosure Statement by Applicant NOV 16 2004 (use several sheets if necessary)		Applicant Joseph A. Zupanick	
		Filing Date October 30, 2001	Group Art Unit 3672
37 CFR 51.98(b)(1)(ii) TRADEMAKES			

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
PPS	A1	3,744,565	07/10/1973	Brown			
	A2	4,060,130	11/29/1977	Hart			
	A3	2002/0043404 A1	04/18/2002	Trueman et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
PPS	B1	EP 1 316 673 A2	06/04/2003	EPO			N/A	
PPS	B2	SU-876968	10/30/1981	Russia				X

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
PPS	C1	Denney, Dennis, "Drilling Maximum-Reservoir-Contact Wells in the Shaybah Field," SPE 85307, pages 60, 62-63, October 20, 2003
	C2	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (5 pages) and Written Opinion of the International Searching Authority (6 pages) re International Application No. PCT/US2004/012029 mailed September 22, 2004
	C3	Brunner, D.J. and Schwoebel, J.J., "Directional Drilling for Methane Drainage and Exploration in Advance of Mining," REI Drilling Directional Underground, World Coal, 1999, 10 pages
	C4	Thakur, P.C., "A History of Coalbed Methane Drainage From United States Coal Mines," 2003 SME Annual Meeting, February 24-26, Cincinnati, Ohio, 4 pages
	C5	U.S. Climate Change Technology Program, "Technology Options for the Near and Long Term," 4.1.5 Advances in Coal Mine Methane Recovery Systems, pp. 162-164
	C6	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (3 pages) and Written Opinion of the International Searching Authority (7 pages) re International Application No. PCT/US2004/017048 mailed October 21, 2004
	C7	Gardes, Robert, "Multi-Seam Completion Technology," Natural Gas Quarterly, E&P, June 2004, pp. 78-81
	C8	Baiton, Nicholas, "Maximize Oil Production and Recovery," Vertical Brochure, received 10/2/2002, 4 pages
	C9	Dreiling, Tim, McClelland, M.L. and Bilyeu, Brad, "Horizontal & High Angle Air Drilling in the San Juan Basin, New Mexico," Dated on or about 3/6/2003, pp. 1-11

Examiner Signature

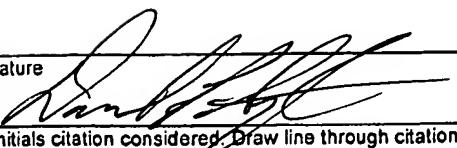
Date Considered

5/13/05

EXAMINER: Initials citation Considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified) C-151 NOV 16 2001 PATENT & TRADEMARK OFFICE 37 CFR 1.98(b))		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-020001	Application No. 10/004,316
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Joseph A. Zupanick		
		Filing Date October 30, 2001	Group Art Unit 3672	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
DPS	C10	Fong, David K., Wong, Frank Y., and McIntyre, Frank J., "An Unexpected Benefit of Horizontal Wells on Offset Vertical Well Productivity in Vertical Miscible Floods," Canadian SPE/CIM/CANMET Paper No. HWC94-09, paper to be presented March 20-23, 1994, Calgary, Canada, 10 pages
	C11	Fischer, Perry A., "What's Happening in Production," World Oil, June 2001, p. 27
	C12	Website of PTTC Network News Volume 7, 1 st Quarter 2001, Table of Contents, http://www.pttc.org/..news/v7n1nn4.htm printed 04/25/2003, 3 pages
	C13	Cox, Richard J. W., "Testing Horizontal Wells While Drilling Underbalanced," Delft University of Technology, August 1998, 68 pages
	C14	McLennan, John, et al., "Underbalanced Drilling Manual," Gas Research Institute, Chicago, Illinois, GRI Reference No. GRI-97/0236, copyright 1997, 502 pages
	C15	The Need for a Viable Multi-Seam Completion Technology for the Powder River Basin, Current Practice and Limitations, Gardes Energy Services, Inc., Believed to be 2003 (8 pages)

Examiner Signature	Date Considered
	5/13/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

O Substitute Form PTO-1449 (Modified) SEP 09 2004 PATENT & TRADEMARK OFFICE C-10 Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17601-020001	Application No. 10/004,316
		Applicant Joseph A. Zupanick			
		Filing Date October 30, 2001		Group Art Unit 3672	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
DPS	A1	2,797,893	07/02/1957	McCune et al.			
	A2	3,582,138	06/01/1971	Loofbourow et al.			
	A3	3,587,743	06/28/1971	Howard			
	A4	4,151,880	05/01/1979	Vann			
	A5	4,222,611	09/16/1980	Larson et al.			
	A6	4,415,205	11/15/1983	Rehm et al.			
	A7	4,502,733	03/05/1985	Grubb			
	A8	4,533,182	08/06/1985	Richards			
	A9	4,651,836	03/24/1987	Richards			
	A10	4,753,485	06/28/1988	Goodhart			
	A11	4,776,638	10/11/1988	Hahn			
	A12	5,148,877	09/22/1992	MacGregor			
	A13	5,287,926	02/22/1994	Grupping			
	A14	5,355,967	10/18/1994	Mueller et al.			
	A15	5,697,445	12/16/1997	Graham			
	A16	5,775,443	07/07/1998	Lott			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
DPS	B1	WO 94/28280	12/08/1994	WIPO			N/A	

Other Documents (include Author, Title, Date, and Place of Publication)

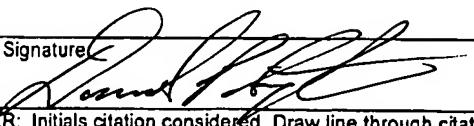
Examiner Initial	Desig. ID	Document
DPS	C1	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) (3 pages) and International Search Report (7 pages) re International Application No. PCT/US 03/04771 mailed July 4, 2003
DPS	C2	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) (3 pages) and International Search Report (5 pages) re International Application No. PCT/US 03/21891 mailed November 13, 2003

Examiner Signature 	Date Considered 5/13/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-020001	Application No. 10/004,316
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))		Applicant Joseph A. Zupanick		
		Filing Date October 30, 2001	Group Art Unit 3672	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
PS	C3	Desai, Praful, et al., "Innovative Design Allows Construction of Level 3 or Level 4 Junction Using the Same Platform," SPE/Petroleum Society of CIM/CHOA 78965, Canadian Heavy Oil Association, 2002, pp. 1-11
	C4	Bybee, Karen, "Advanced Openhole Multilaterals," Horizontal Wells, November 2002, pp. 41-42
	C5	Bybee, Karen, "A New Generation Multilateral System for the Troll Olje Field," Multilateral/Extended Reach, July 2002, 2 pages
	C6	Emerson, A.B., et al., "Moving Toward Simpler, Highly Functional Multilateral Completions," Technical Note, Journal of Canadian Petroleum Technology, May 2002, Volume 41, No. 5, pp. 9-12
	C7	Moritis, Guntis, "Complex Well Geometries Boost Orinoco Heavy Oil Producing Rates," XP-000969491, Oil & Gas Journal, February 28, 2000, pp. 42-46
	C8	Themig, Dan, "Multilateral Thinking," New Technology Magazine, December 1999, pp. 24-25
	C9	Smith, R.C., et al., "The Lateral Tie-Back System: The Ability to Drill and Case Multiple Laterals," IADC/SPE 27436, Society of Petroleum Engineers, 1994, pp. 55-64, plus Multilateral Services Profile (1 page) and Multilateral Services Specifications (1 page)
	C10	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) (3 pages) and International Search Report (4 pages) re International Application No. PCT/US 03/13954 mailed September 1, 2003
	C11	Logan, Terry L., "Drilling Techniques for Coalbed Methane," Hydrocarbons From Coal, Chapter 12, Copyright 1993, Title Page, Copyright Page, pp. 269-285
	C12	Hanes, John, "Outbursts in Leichhardt Colliery: Lessons Learned," International Symposium-Cum-Workshop on Management and Control of High Gas Emissions and Outbursts in Underground Coal Mines, Wollongong, NSW, Australia, March 20-24, 1995, Title page, pp. 445-449
	C13	Williams, Ray, et al., "Gas Reservoir Properties for Mine Gas Emission Assessment," Bowen Basin Symposium 2000, pp. 325-333
	C14	Brown, K., et al., "New South Wales Coal Seam Methane Potential," Petroleum Bulletin 2, Department of Mineral Resources, Discovery 2000, March 1996, pp. i-viii, 1-96
	C15	Fipke, S., et al., "Economical Multilateral Well Technology for Canadian Heavy Oil," Petroleum Society, Canadian Institute of Mining, Metallurgy & Petroleum, Paper 2002-100, to be presented in Calgary Alberta, June 11-13, 2002, pages 1-11
	C16	PowerPoint Presentation entitled, "Horizontal Coalbed Methane Wells," by Bob Stayton, Computalog Drilling Services, date is believed to have been in 2002

Examiner Signature 	Date Considered 5/13/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	